

Title (en)
TOKEN BASED TRANSACTION AUTHENTICATION

Title (de)
TOKEN-BASIERTE TRANSAKTIONSAUTHENTIFIZIERUNG

Title (fr)
AUTHENTIFICATION DE TRANSACTION SUR LA BASE D'UN JETON

Publication
EP 2526517 B1 20180808 (EN)

Application
EP 11735125 A 20110119

Priority
• US 29638510 P 20100119
• US 2011021737 W 20110119

Abstract (en)
[origin: US2011178925A1] A token based transaction authentication system is disclosed. Issuer, merchants, and a payment processing network generate unique tokens or keys to authenticate messages between themselves and to authenticate a sending entity or consumer as they are redirected between entities. The tokens are also used to identify the particular authentication thread a message or sending entity is associated with. The sending entity authentication occurs over a web-based channel or a mobile based channel.

IPC 8 full level
G06Q 20/00 (2012.01); **G06Q 20/38** (2012.01); **G06Q 20/40** (2012.01)

CPC (source: EP US)
G06Q 20/00 (2013.01 - EP US); **G06Q 20/3829** (2013.01 - US); **G06Q 20/40** (2013.01 - EP US)

Citation (examination)
• US 2008301056 A1 20081204 - WELLER KEVIN D [US], et al
• LUKE MURPHEY: "Secure Session Management: Preventing Security Voids in Web Applications", 10 January 2005 (2005-01-10), XP055367088, Retrieved from the Internet <URL:https://www.sans.org/reading-room/whitepapers/webserver/secure-session-management-preventing-security-voids-web-applications-1594> [retrieved on 20170425]
• WATANABE R ET AL: "Federated Authentication Mechanism using Cellular Phone - Collaboration with OpenID", INFORMATION TECHNOLOGY: NEW GENERATIONS, 2009. ITNG '09. SIXTH INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 27 April 2009 (2009-04-27), pages 435 - 442, XP031472297, ISBN: 978-1-4244-3770-2
• OPENID.NET: "OpenID Authentication 2.0 - Final", 5 December 2007 (2007-12-05), pages 1 - 34, XP055017217, Retrieved from the Internet <URL:http://openid.net/specs/openid-authentication-2_0.html#http_encoding> [retrieved on 20120123]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2011178925 A1 20110721; US 8346666 B2 20130101; AU 2011207551 A1 20120802; AU 2011207551 B2 20141113; AU 2011207551 C1 20150514; BR 112012017880 A2 20201117; CA 2787060 A1 20110728; CA 2787060 C 20170725; CN 102754116 A 20121024; CN 102754116 B 20160803; EP 2526517 A2 20121128; EP 2526517 A4 20140806; EP 2526517 B1 20180808; EP 3404601 A1 20181121; RU 2012135494 A 20140227; RU 2565368 C2 20151020; US 2013191282 A1 20130725; US 2013232079 A1 20130905; US 8924301 B2 20141230; US 9582799 B2 20170228; WO 2011091053 A2 20110728; WO 2011091053 A3 20111208

DOCDB simple family (application)
US 201113009162 A 20110119; AU 2011207551 A 20110119; BR 112012017880 A 20110119; CA 2787060 A 20110119; CN 201180009119 A 20110119; EP 11735125 A 20110119; EP 18175416 A 20110119; RU 2012135494 A 20110119; US 2011021737 W 20110119; US 201213686759 A 20121127; US 201313860402 A 20130410